Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Thursday 06 Jan 2022 until 23:59 on Friday 07 Jan 2022

Forecast Issued on Wednesday 05 Jan 2022 at 16:14

Confidence: High for fronts crossing from the west on Thursday, clearing to a showery westerly late in day, also for a rather unsettled theme through the rest of the period, but lowering confidence in the details of worst of conditions.

Headline for Thursday 06 Jan 2022: Snow Thursday morning, turning to rain at low to mid-levels for afternoon, clearing to showers later. Extensive hill fog for much of the day combining with snow and later rain to bring very difficult conditions.

Mountain weather hazards on Thursday 06 Jan 2022

Blizzards Low Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** Low Likelihood
Gales Medium Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** High Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Cloudy	Dull	Light snow	Heavy snow	Heavy snow	Heavy snow	Light snow
Precipitation probability							
00%	00%	10%	30%	90%	80%	70%	40%

Forecast for Thursday 06 Jan 2022

Weather: Dry overnight with higher cloud feeding from the west. Cloud soon thickening Thursday morning with an area of snow extending across all by mid-morning, which erratically turns to rain at lower and perhaps mid-levels come late afternoon. The snow and rain clears to the east through the evening, with showers following from the west, these perhaps bringing hail and thunder to western most peaks, also lowering snow level to around 300m come midnight.

Chance of cloud free mountain/hill tops above 800m: 90% at first, becoming 10% or less from late morning, before lifting 70% as the showers spread in later.

Visibility: Good or very good, becoming moderate or poor in rain, very poor in snow and only a few metres in hill fog, with bases becoming extensive above 300-450m on the front, then sporadically so in later showers.

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Forecast for Thursday 06 Jan 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	8/10 S	15/19 S	29/35 S	36/46 S	46/58 S	50/63 S	36/46 SW	32/42 SW	30/40 SW
600	7/9 S	14/18 S	25/35 S	32/44 S	36/50 S	39/55 S	29/42 SW	26/38 SW	24/35 SW
300	3/7 S	4/12 S	7/22 S	11/31 S	13/37 S	14/39 S	13/33 SW	11/29 W	10/28 W
Valley	2/4 S	3/12 SE	8/23 S	11/29 S	13/33 S	16/39 S	16/33 W	14/31 W	16/33 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-3/-8	-3/-10	-3/-12	-2/-12	-3/-14	-2/-12	-1/-10	-2/-11	-3/-12
600	-2/-6	-2/-8	-2/-9	-2/-10	-2/-11	-0/-9	1/-6	0/-8	-1/-9
300	-1/-3	-1/-4	-0/-4	0/-5	-0/-6	2/-4	3/-1	2/-2	1/-3
Valley	0/-1	1/-1	2/-2	3/-1	2/-3	5/0	6/2	4/0	3/-1
Freezing Level*	100m	100m	200m	300m	300m	700m	800m	500m	400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts reaching 60mph plus across most exposed ridges and summits, bringing the risk of blizzards across highest tops also severe wind chill effect.

Forecast for Friday 07 Jan 2022

Weather: A day of showers, these wintry to all but lowest levels, frequent and heavy at times for the morning and early afternoon, bringing the risk of thunder and hail to western peaks. Outbreaks gradually dwindling from mid-afternoon and through the evening.

Maximum wind: West mean 30-35mph with gusts reaching 50mph across more exposed ridges and summits, easing gradually from mid-morning.

Chance of cloud free mountain/hill tops above 800m: 70% for any given time but limited scope for prolonged clear periods due to the showery nature of the flow.

Visibility: Good or very good, sporadically moderate to very poor in showers, only a few metres in hill fog with bases lowering 300-450m as showers push through.

Temperature: **Valleys:** Minus 3 Celsius increasing plus 4 Celsius for the afternoon
At 800m: Minus 4 Celsius
Freezing level: 400m

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Wednesday 5 January 2022. Location: Helvellyn summit at 12:16. Full report: A beautiful, cold, and largely clear day in the Lakes with little change in ground conditions from yesterday's report. Although the fells look very white, snow cover is very thin overall and starts from roughly 400m. A lot of ice is present on paths down to low levels and microspikes/walking poles are really helpful, especially when descending. Striding and Swirral edge require a lot of care to negotiate safely as the ground is quite well frozen and the rock has a thin cover in Rime ice and verglas in places. Due to very thin snow cover and exposed rock, using crampons on these routes is difficult, and again, microspikes may provide a nice middle ground. The wind was fairly light today, however the windchill (feels like) temperature on exposed skin was around -10°C. As such, full winter clothing (warm and waterproof) plus spare warm layers, hats and gloves, headtorch, map and compass are all essential. For those heading onto steeper routes, an ice axe and crampons/microspikes are also recommended. Temperature: minus 4.2 C, Maximum wind speed 12.2 mph, Wind chill: minus 10.0 C, Average wind speed: 5.8 mph

Issued at: 1614 on Wed 05 Jan 2022

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